Krisztina Kelemen

Date of birth: | **Nationality:** Romanian, Hungarian | **Sex:** Female | **Phone:** |

Email: krisztina.kelemen@umfst.ro | **Address:** str. Gheorghe Marinescu nr. 38, Tirgu Mureş, Romania (Work)

WORK EXPERIENCE

GEORGE EMIL PALADE UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TARGU MURES – TARGU MURES, ROMANIA

DOCTORAL STUDENT – 01/10/2018 – CURRENT

GEORGE EMIL PALADE UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TARGU MURES – TARGU MURES, ROMANIA

ASSISTANT PROFESSOR, DEPARTMENT OF PHYSIOLOGY – CURRENT

EMERGENCY COUNTY HOSPITAL TARGU MURES (SPITALUL CLINIC JUDETEAN DE URGENTA TARGU MURES) – TARGU MURES, ROMANIA

NEUROLOGY SPECIALIST – 01/2024 – CURRENT

EDUCATION AND TRAINING

2004 – 2008
GRADUATE Liceul de Artă Târgu - Mureş

Piano

2008 – 2012 Târgu - Mureş, Romania
GRADUATE Liceul Teoretic Bolyai Farkas

Ştiinţe ale Naturii Intensiv Engleză

2012 – 2018 Târgu - Mureş, Romania
GRADUATE Universitatea de Medicină şi Farmacie Târgu - Mureş

Facultatea de Medicină Generală

2014 – CURRENT Targu Mures, Romania
MEMBER Physiology scientific circle, Universitatea de Medicină și Farmacie Tîrgu Mureș

2015 – CURRENT Budapest, Hungary
MEMBER "Momentum Laboratory of Molecular Neurobiology", Institute of Experimental Medicine Budapest

2018 – CURRENT Targu Mures, Romania
DOCTORAL STUDENT George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures

2019 – CURRENT Targu Mures, Romania
ASSISTANT PROFESSOR, DEPARTMENT OF PHYSIOLOGY George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures

2019 – 2024 Targu Mures, Romania
NEUROLOGY RESIDENT DOCTOR Emergency County Hospital Targu Mures

LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ROMANIAN	C1	C1	C1	C1	C1
FRENCH	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

PUBLICATIONS

2025

Distribution of NECAB1-Positive Neurons in Normal and Epileptic Brain—Expression Changes in Temporal Lobe Epilepsy and Modulation by Levetiracetam and Brivaracetam

Krisztina Kelemen, Károly Orbán-Kis, Ádám Szentes, Zsolt András Nagy, Hanga Kelemen, Anna Fehér, László-István Bába, Zsolt Gáll, Eszter Horváth, István Katona, Szabolcs Szatmári, József Attila Szász, Tibor Szilágyi

2025

Marked differences in the effects of levetiracetam and its analogue brivaracetam on microglial, astrocytic, and neuronal density in the rat model of kainic acid-induced temporal lobe epilepsy

K. Kelemen, M. Sárosi; Á. Csüdör; K. Orbán-Kis; H. Kelemen; L. Bába; Zs. Gáll, E. Horváth; I. Katona;T. Szilágyi

2025

Two years' experience with levodopa-entacapone-carbidopa intestinal gel treatment in advanced Parkinson's disease

Szabolcs Szatmári, József Attila Szász, Viorelia Constantin, István Mihály, Árpád Török, Marius Ciorba, Imola Török, Krisztina Kelemen, Péter Szász, Mónika Szilvester, Beáta Baróti, Attila Frigy, Károly Orbán-Kis

2024

Levodopa–Entacapone–Carbidopa Intestinal Gel in the Treatment of Advanced Parkinson's Disease: A Single Center Real-World Experience

Szabolcs Szatmári, J.Szász, K.O.Kis,S.Bataga,I. Mihály, Z Szász, Krisztina Kelemen, V.Constantin

2024

Starting with 24-h levodopa carbidopa intestinal gel at initiation in a large cohort of advanced Parkinson's disease patients

Szabolcs Szatmári, J.Szász,...Krisztina Kelemen, A.F., A. Cs-F & V. A. Constantin

2024

Cholecalciferol Supplementation Impacts Behavior and Hippocampal Neuroglial Reorganization in Vitamin D-Deficient Rats

Zsolt Gáll, Ágnes Csüdör, István-Gábor Sável, Krisztina Kelemen, Melinda Kolcsár

2024

Melatonin improves cognitive dysfunction and decreases gliosis in the streptozotocin-induced rat model of sporadic Alzheimer's disease

Zsolt Gáll,Bernadett Boros,Krisztina Kelemen,M. Urkon,I. Zolcseak,K. Márton,M. Kolcsar

2022

Cerebral microbleeds in a young patient–case presentation with rare disease association and literature review

Máté Tihamér, Mihály István, Kelemen Krisztina, Szász József Attila, Szatmári Szabolcs

2022

A Rare Case of Histopathologically Confirmed Creutzfeldt–Jakob Disease from Romania, Long Route to Diagnosis—Case Report and an Overview of the Romanian CJD Situation

Krisztina Kelemen, Attila Kövecsi et al.

2022

Anticonvulsant action and long-term effects of chronic cannabidiol treatment in the rat pentylenetetrazole-kindling model of epilepsy

Zsolt Gáll, Krisztina Kelemen et al.

2022

Az intestinalis gél bevezetésekor rögzített jellemzők tízéves változásai előrehaladott Parkinson-kóros betegekben

József Attila Szász, et al

2022

Ten-year trends of the characteristics in patients with advanced Parkinson's disease at the time of intestinal gel therapy introduction

Szasz Jozsef Attila, Szatmari Szabolcs, et al.

2022

Levodopa-Carbidopa Intestinal Gel in Advanced Parkinson's Disease: Observations and Dilemmas after 10 Years of Real-Life Experience

J.A. Szász, V. A. Constantin, K. Orbán-Kis et al.

2021

New Approach for Untangling the Role of Uncommon Calcium-Binding Proteins in the Central Nervous System

Krisztina Kelemen, Tibor Szilágyi

2021

NECAB1 and NECAB2 are Prevalent Calcium-Binding Proteins of CB1/CCK-Positive GABAergic Interneurons

Vivien Miczán, Krisztina Kelemen, Judit R Glavinics, Zsófia I László, Benjámin Barti, Kata Kenesei, Máté Kisfali, István Katona

2021

Decision-making and duration to accept device-aided therapy in advanced Parkinson's disease

József Attila Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Attila Frigy, Előd Nagy, Krisztina Kelemen, Timea Forró, Emőke Almásy, Károly Orbán-Kis

2021

Management Challenges of Severe, Complex Dyskinesia. Data from a Large Cohort of Patients Treated with Levodopa-Carbidopa Intestinal Gel for Advanced Parkinson's Disease

József Attila Szász, Viorelia Adelina Constantin, Károly Orbán-Kis, Ligia Ariana Bancu, Marius Ciorba, István Mihály, Előd Ernő Nagy, Róbert Máté Szász, Krisztina Kelemen, Mihaela Adriana Simu, Szabolcs Szatmári

2020

The importance of evaluation of gastrointestinal symptoms in advanced Parkinson's disease

József Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Imola Török, Előd Nagy, Krisztina Kelemen, Timea Forró, Beáta Baróti, Károly Orbán-Kis

2020

Role of Lacosamide in Preventing Pentylenetetrazole Kindling-Induced Alterations in the Expression of the Gamma-2 Subunit of the GABAA Receptor in Rats

Zsolt Gáll, Krisztina Kelemen, István Mihály, Pál Salamon, Ildikó Miklóssy, Brigitta Zsigmond, Melinda Kolcsár

2020

A gastrointestinalis panaszok felmérésének jelentősége előrehaladott Parkinson-kórban

József Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Imola Török, Előd Nagy, Krisztina Kelemen, Timea Forró, Beáta Baróti, Károly Orbán-Kis

2019

Profile of patients with advanced Parkinson's disease suitable for device-aided therapies: restrospective data of a large cohort of Romanian patients

József Attila Szász, Viorelia Adelina Constantin, Károly Orbán-Kis, Attila Rácz, Ligia Ariana Bancu, Dan Georgescu, János Szederjesi, István Mihály, Ana-Mária Fárr, Krisztina Kelemen, Tamás Vajda, Szabolcs Szatmári

2019

Involvement of GABAA receptor gamma 2 subunit in the anxiety-like behaviour and cognitive dysfunction in pentylenetetrazole-kindled rats

Z Gall, K Kelemen, S Koncz, II Toth, I Mihaly, M Kolcsár

CONFERENCES & SEMINARS

JOINT NEUROSCIENCE MEETING OF THE HUNGARIAN NEUROSCIENCE SOCIETY (MITT) & THE AUSTRIAN NEUROSCIENCE ASSOCIATION (ANA) 2023 1-3 FEBRUARY, 2023, BUDAPEST

Brivaracetam induced changes of the neuron–astrocyte–microglia triad in the rat kainic acid model of temporal lobe epilepsy

Erdélyi Múzeum-Egyesület Orvos- és Gyógyszerésztudományi Szakosztály, XXXI. Tudományos Ülésszak

BRIVARACETÁM ÉS LEVETIRACETÁM ELTÉRŐ HATÁSA A MIKROGLIA-ASZTROCITAIDEGSEJT TRIÁSZRA A KAINSAV INDUKÁLTA TEMPORÁLIS LEBENY EPILEPSZIA PATKÁNYMODELLJÉBEN

I. díj - A Legjobb kísérletes munkáért

Erdélyi Múzeum-Egyesület Orvos- és Gyógyszerésztudományi Szakosztály, XXXI. Tudományos Ülésszak

GERINCSATORNAI, EPIDURÁLIS FOLYADÉKGYÜLEM PROGRESSZÍV TETRAPARÉZISES BETEGNÉL -ESETBEMUTATÓ

International Conference of PhD Students and Young Doctors, 2021.december 6-10

In search for calcium-binding proteins with potential role in epileptogenesis

Az Erdélyi- Múzeum Egyesület Orvos- és Gyógyszerésztudományi Szakosztálya, XXIX. Tudományos Ülésszak, Szatmárnémeti

CB1 kannabinoid receptor pozitív hippokampális interneuronok kalciumkötő fehérjéinek vizsgálata

XXII. IEM Scientific Days

NECAB1 and NECAB2 are the two major calcium-binding proteins of the CB1 cannabinoid receptor-positive GABAergic interneuron population in the neocortex, hippocampus and the basolateral amygdala.

Society for Neuroscience Annual Meeting 2018 San Diego

NECAB1 and NECAB2 are the two major calcium-binding proteins of the CB1 cannabinoid receptor-positive GABAergic interneuron population in the neocortex, hippocampus and the basolateral amygdala

EMBO Workshop on Cortocal Interneurons in Health and Diseae

Calcium-binding protein profile of the CB1 cannabinoid receptor-positive interneurons in the hippocampus, neocortex,and basolateral amygdala

International Congress for Students, Young Doctors and Pharmacists Marisiensis

DECOUPLING OF MRNA AND PROTEIN EXPRESSION OF GABAA- RECEPTOR GAMMA2 SUBUNIT IN PTZ-KINDLED AND LACOSAMIDE TREATED RATS

24. Tudományos Diákköri Konferencia

CB1 kannabinoid receptor pozitív hippokampális interneuronok kalciumkötő fehérjéinek vizsgálata

I. Díj

The 8th Conference of the National Neuroscience Society of Romania

NECAB1, a novel calcium-binding protein of the CB1cannabinoid receptor-positive hippocampal interneurons.

I. Díj

FENS (Federation of European Neuroscience Society) Regional Meeting, 2017 september 20-23.

Calcium-binding protein profile of the CB1 cannabinoid receptor-positive hippocampal interneurons

Természet Világa tudományos ismeretterjesztő folyóirat 2011. évi Természet-Tudomány Diákpályázat

Kulonbozunk, de miert?

I. Díj

JOB-RELATED SKILLS

Job-related skills

- Immunohistochemistry, Fluorescent in situ hybridisation - RNAscope, using the light microscope, epifluorescent microscope, confocal microscope, using a vibratome, a criostat, data analysis, behavioral testing of laboratory animals
- Positive work attitude
- Perseverance

Teaching activity:
Practical physiology classes
Supervision of graduation theses
Guidance of student scientific research

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- good communication
- good management skills

- good presentation skill

- **good teaching skills**